OFFICIAL PHOTOGRAPH
NOT TO BE RELEASED
FOR PUBLICATION
NAVY YARD MARE ISLAND, CALIF.

RESTRICTED

Place of Issue	Date	Serial No.	To Whom Issued	
M.I.	10/31/42	2-0	BU. OF SHIPS	VD.
"	"	0-34	CH. NAV. OP.	1-BP.
"	"	0-35	BU. ORD.	1-"
"	"	0-36, 0-37	COMDT. N.Y.	2-"
"	"	0-38, 0-39	" PHILA.	2-"
"	"	0-40, 0-41	" NORFOLK	2-"
"	"	0-42, 0-43	" BOSTON	2-"
"	"	0-44, 0-45	" CHARLS.	2-"
"	"	0-46, 0-47	" PORTS.	2-"
"	"	0-48, 0-49	" PUGET S.	2-"
"	"	0-50, 0-51	" PEARL H.	2-"
"	"	0-52	PRES. N.W.C.	1-"
"	"	0-53	I.C. BOARD	1-"
"	"	0-54, 0-58	U.S.S. DMS 12	5-"
"	"	0-59	COMSERFORPAC	1-"

PRINTS ISSUED

M.I.	10/31/42	0-60	COMSERVRON 6	1-BP.
"	"	0-61	COMINRON 2	1-"
"	"	0-62	COMINDIV 5	1-"
"	"	0-63, 0-64	M.I.	2-"
M.I.	22/DEC/43	3-0	BU. OF SHIPS	VD
		0-65	C.N.O.	1-BP
		0-66	BU. ORD.	1-"
		0-67, 0-68	COMDT. NYNYK	2-"
		0-69, 0-70	" NYPHILA	2-"
		0-71, 0-72	" NYNOR	2-"
		0-73, 0-74	" NYBOST	2-"
		0-75, 0-76	" NYCHARLS.	2-"
		0-77, 0-78	" NYPORTS	2-"
		0-79, 0-80	" NYPS	2-"
		0-81, 0-82	" NYPEARL	2-"
		0-83	NAVWAR COL	1-"
		0-84	I.C. BOARD	1-"
		0-85, 0-89	C.O. DMS 12 (LONG)	5-"

M.I.	22/DEC/43	0-90	COMSERVPAC (FLEET MAINT)	1-BP
		0-91	COMSERVRON 6	1-"
		0-92	COM IN RON 2	1-"
		0-93	COM IN DIV 5	1-"
		0-94, 0-95	NYMI.	2-"
			1 NEG PAPER VD	

CR 27-234434 9/15/33

CHARGE

MATERIAL

SERIAL Nº [redacted]

SERIAL Nº	TO WHOM ISSUED	BY	DATE	DISPOSITION
0-1 - 0-2	U.S.S. DMS 12	M.I.	7/28/39	
1-0	BU. SHIPS 1 V.D.	M.I.	1/16/41	
0-3	CHIEF NAV. OPER 1B.P.	"	"	
0-4	BU. ORD. 1B.P.	"	"	
0-5 0-6	COMDT. N.Y. 2B.P.	"	"	
0-7 0-8	" PHILA. 2B.P.	"	"	
0-9 0-10	" NORFOLK 2B.P.	"	"	
0-11 0-12	" BOSTON 2B.P.	"	"	
0-13 0-14	" PORTS. 2B.P.	"	"	
0-15 0-16	" CHARLES. 2B.P.	"	"	
0-17 0-18	" P. HARBOR 2B.P.	"	"	
0-19 0-20	" CAVITE 2B.P.	"	"	
0-21 0-22	" PUGET S. 2B.P.	"	"	
0-23	PRES. NAV. WAR C. 1B.P.	"	"	
0-24 TO 0-28	C.O. U.S.S. LONG 5B.P.	"	"	
0-29	COMDESBATFOR 1B.P.	"	"	
0-30	COMDESDIV, 52 1B.P.	"	"	
0-31	COMDESRON, 26 1B.P.	"	"	
0-32	COMDT. M.I.	"	"	
0-33	COMSERVICEFOR 1BP	"	5/6/42	

RESTRICTED

SERIAL Nº [redacted]

ACCOUNTABLE

U.S.S. DMS 12

~~D. V. DESTROYER Nº 209.~~

EX-U.S.T.B.D. Nº 209

PLAN Nº 42

BOOKLET OF GENERAL PLANS

PREPARED BY THE
Wm CRAMP & SONS SHIP & ENGINE BLDG. CO.

CORRECTED TO SUIT SHIP		
PLACE	DATE	CONSTRUCTION OFFICER
CORRECTED AT M.I. R.B.G.	8-30-'33.	D.W. Cole
CORRECTED AT M.I. C.W.S.	1-16-'41.	
NAVY YARD, MARE ISLAND	SEPT. 19, 1942	H.J. C.O. Giesselman APPROVED FOR MANAGER
NAVY YARD, MARE ISLAND	OCT. 29, 1943	C.O. Giesselman APP. FOR MGR.

Lloyd Gibbons

NUMBER AND ORDER OF PLANS.
GENERAL DIMENSIONS & DATA ~~(INCLUDING TABLES OF OIL & WATER CAPACITIES)~~
OUTBOARD PROFILE.
INBOARD PROFILE.

MAIN DECK.
1ST PLATFORM.
2ND PLATFORM, GALLEY, AFTER DK HOUSE
TOP, BRIDGE & SIGNAL BRIDGE.
HOLD.
~~CROSS SECTIONS~~
~~MIDSHIP SECTION~~

BU. C&R No. 98204

ALTERATION

DATE	DESCRIPTION	APPROVED	
1/16/20	CAP. OF A-115 AT 3'-6" CHANGED FROM 1797 GALS.	1/16/20	E.P.J.
	CORRECTED AT M.I. (30, AUG., 33) R.B.G.		
1/16/41	CORRECTED CAPACITIES D.O. TANK B-111 & F.O. TANK D-203 TO AGREE WITH LATEST OVERHAUL M.I.N.Y. C.W.S.		

~~LONG~~

D.M.S. Nº 12

GENERAL INFORMATION

LENGTH BETWEEN PERPENDICULARS — 310'-0"
PROJECTION FORWARD OF F.P. — 3'-0"
PROJECTION AFT OF A.P. — 40½"
LENGTH OVER ALL — 316'-4½"
LENGTH ON DESIGNERS WATER LINE (9'-4" W.L.) — 311'-0"
LENGTH OF STRAIGHT KEEL — 256'-6½"
BREADTH MOLDED EXTREME — 30'-11½"
BREADTH EXTREME OVER PLATING — 31'-0½"
BREADTH EXTREME OVER FENDERS — 31'-8½"
BREADTH OVER PLATING AT 9'-4" W.L. — 30'-9"
DEPTH MOLDED, MAIN DK. AT SIDE AT M.P. (FR. 5' FWD. FR. 89) — 20'-8"
DRAFT ABOVE BOTTOM OF KEEL (DESIGNED) — 9'-4"
RATIO OF LENGTH TO BEAM (310-30.95) — 10.2
TRIAL DISPLACEMENT (ACTUAL) — 1229.81 TONS
ACTUAL DISPLACEMENT TO D.W.L. (9'-4" W.L.) — 1208.6 TONS
RESERVE FEED WATER F.W. — TONS — 24.48
FUEL OIL (95 PER CENT TOTAL CAPACITY) — GAL. 127330.50
DISPLACEMENT PER INCH AT D.W.L. (9'-4" W.L.) — 15.48 TONS
AREA OF MIDSHIP SECTION TO D.W.L. (9'-4" W.L.) — 219.0 SQ.FT.
AREA OF D.W. PLANE (9'-4" W.L.) — 6490 SQ.FT.
AREA OF WETTED SURFACE TO D.W.L. (9'-4" W.L.) — 9910 SQ.FT.
C.G. OF D.W. PLANE AFT. OF M.P. (9' FORD FR 89) — 4.90 FT.
C.B. ABOVE BOTTOM OF KEEL (9'-4" W.L.) — 5'-8½"

C.B. FORD. OF M.P. (9' FORD. FR. 89) — 1.06 FT.
TRANSVERSE METACENTER ABOVE C.B. (9'-4" W.L.) — 4'-10½"
LONGITUDINAL METACENTER ABOVE C.B. (9'-4" W.L.) — 742 FT.
COEFFICIENT OF FINENESS BLOCK — .472
COEFFICIENT OF FINENESS MIDSHIP SECTION — .758
COEFFICIENT OF FINENESS D.W. PLANE — .676
COEFFICIENT OF FINENESS CYLINDRICAL — .623
WING SHAFTS INCLINE DOWN & AFT AT ANGLE OF — 2° 40' 54"
WING SHAFTS DIVERGE FROM ℄ OF SHIP AFT AT ANGLE OF 1° 16' 12"
℄ OF WING SHAFT AT BHD. 99 FROM ℄ OF SHIP — 5'-1"
℄ OF WING SHAFT AT FR. 168 FROM ℄ OF SHIP — 7'-9⅝"
℄ OF WING SHAFT ABOVE BOTTOM OF KEEL AT BHD. 99 — 8'-5½"
℄ OF WING SHAFT ABOVE BOTTOM OF KEEL AT FR. 168 — 2'-9⅝"
WING SHAFTS RAKE DOWN .5621 PER FT.
WING SHAFTS RAKE OUT .26604 PER FT.
WING SHAFTS MEET ON ℄ 19.19 ABOVE BOTTOM OF KEEL & 56.03 FWD. OF A.P.
WING SHAFTS CROSS BOTTOM OF KEEL 43.82 AFT OF A.P.

SCREWS - 3 - BLADE - STARBOARD - RIGHT HAND
" " " - PORT - LEFT HAND
DIAMETER 110 INCHES — PITCH 120 INCHES
DISK AREA 9503-3 SQ. INS. — AREA EXPANDED 6257 SQ. INS. — AREA PROJECTED 5223 SQ. INS.
CENTER OF SCREWS FORD. OF A.P. — 16'-10½"
RUDDER AXIS FORD. OF A.P. — 6'-4½"
AFT. END OF BEARING WING TUBES 5½" FWD. 159. 40'-11½" FWD. A.P.
℄ STRUTS FORD. OF A.P. 21'-3½" (½" FWD. FR. 165).
NUMBER OF FRAMES SPACED 21" THROUGHOUT — 177
NUMBER OF WATERTIGHT COMPARTMENTS — 69

HEIGHTS ABOVE D.W.L. (9'-3¾") MOLDED

TOP OF S C ANTENNA — 79'-0⅛"
TOP OF MAINMAST (STUB) — 34'-2"
BRIDGE AT ℄ FR. 40 TOP OF PLATING — 22'-5⅝"
BRIDGE AT SIDE FR. 47 TOP OF BEAMS — 22'-1¼"
TOP OF MAIN DECK AT STEM — 17'-1⅛"
TOP OF MAIN DECK AT STERN — 8'-1"
BRIDGE AT ℄ ABOVE MAIN DECK (MOLDED) — 7'-6"

COMPLEMENT

COMMANDING OFFICER	1	SPECIAL BRANCH	4
WARDROOM OFFICERS	7	COMMISSARY BRANCH	6
SEAMAN BRANCH	67	MESSMANS BRANCH	5
ENGINE ROOM FORCE	40	ARTIFICER BRANCH	12

TURBINES

PARSONS TURBINES CONNECTED TO TWO SETS OF REDUCTION GEARS. AFT GEAR DRIVING STARBOARD SHAFT AND FORWARD GEAR PORT SHAFT. EACH REDUCTION GEAR DRIVEN BY ONE H.P. AHEAD TURBINE & ONE L.P. AHEAD AND ASTERN TURBINE — REVOLUTIONS PER MIN. 448.8 — SPEED 35 KNOTS — TOP OF PROPELLER BLADES ON WING SHAFTS TURN OUTBOARD.

BOILERS

3 WHITE FORSTER (BUILT BY B.&W. Co.) — PRESSURE 265 LBS.
HEATING SURFACE — SQ. FT. 27500
DIAMETER OF MAIN STEAM PIPE BET. ENG. & BOILER ROOMS (TWO) — 10½" I.D.
DIAMETER OF STEAM PIPE FROM EACH BOILER — 7½" I.D.
SMOKE PIPE ABOVE D.W.L. — FWD. — 33'-1¾"

BATTERY

3"-50 CAL. GUNS	20 MM. GUNS
1 MAIN DK. AT ℄ 8½" FWD. OF FR. NO. 28	2 TOP GALLEY DK. HSE. P&S FR. 68½
2 TOP GALLEY DK. HSE. P&S 7" AFT. FR. 77	1 GUN PLATFM. AMIDSHIPS, ON ℄ FR. 114½
1 TOP AFT DK. HSE. AT ℄ FR. Nº 152	2 TOP AFT DK. HSE. P&S AT FR. 144

FIRE PLUGS		SMALL BOATS	
No.	LOCATION	No.	TYPE
5	MAIN DECK	1	26 FT. MOTOR WHALE BOAT
2	1ST. PLATFORM	1	" " " " (WITH CANOPY)
TOTAL Nº OF FIREPLUGS - 7		6	BALSA WOOD 25-PERSON LIFERAFTS

U.S.S. DMS 12
GENERAL DIMENSIONS & DATA
BU. C&R No. 98204

HULLS 472-496	AS SCHED.	AS SCHED.			
JOB	REMARKS	CHARGE	ORDER DATE		COMPLETE FOR ERECTION

ORDERS

PRINTS

ACTION

THE Wm CRAMP & SONS S. & E. B. Co.
PHILADELPHIA, PA.
DRAUGHTING OFFICE, CONSTR. DEP'T.

GENERAL DIMENSIONS & DATA, BOOKLET PLAN.

SCALE — DATE 24 JULY 1919

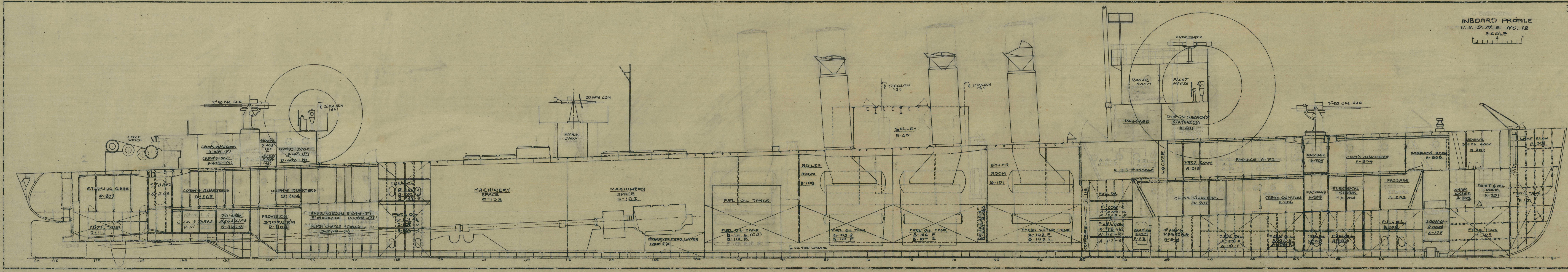
T.G.G.	T.G.G.	B.B.W.			E.P.J.	
DELIN.	TRAC.	CHECK	CH. D.	C.R.	ASST. N.A.	N.A.

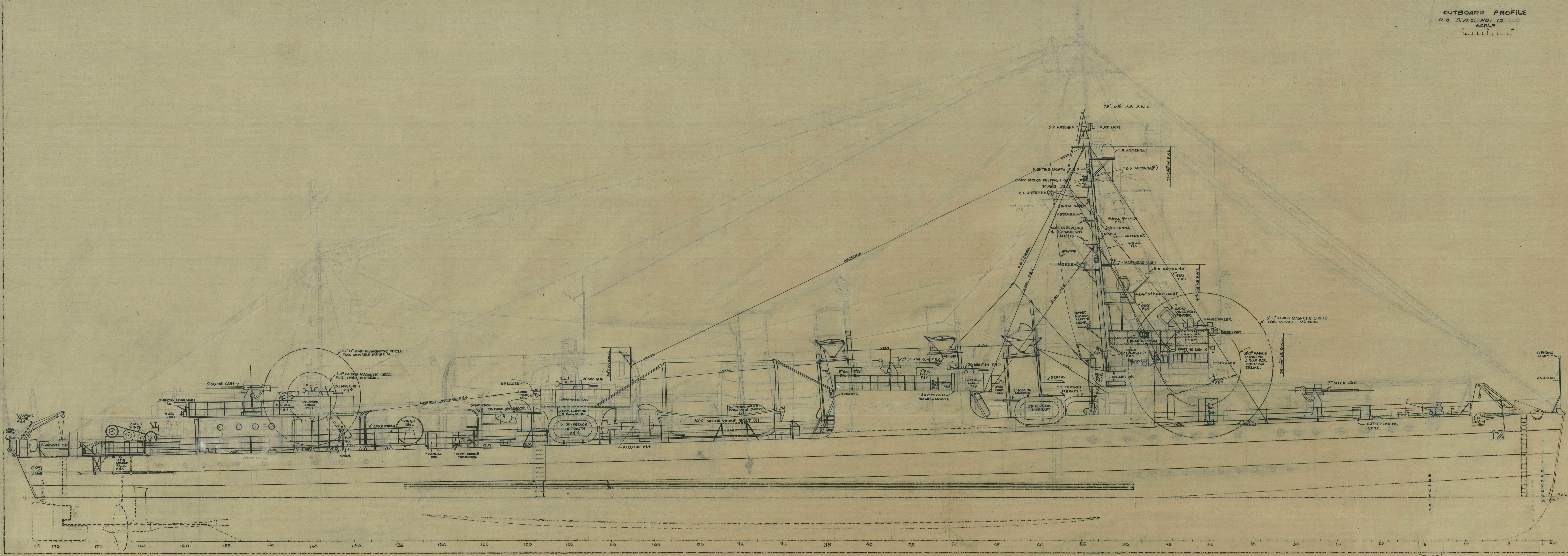
DR. No. H-71523

NOTE — DO NOT INSERT THESE 2 SHEETS IN BOOKLET AFTER PRINTING — DESTROY

C&R No. 98204-A

Declassified under Executive Order 13526
NND Project Number: NW 47327 (Ship Plans)
By DKH Date 11-17-17





CHARGE

MATERIAL

ALTERATION

DATE	DESCRIPTION	APPROVED	
1/16/41	CORRECTED TO SUIT SHIP M.I.N.Y. C.W.S.		

JOB	REMARKS	CHARGE	ORDER DATE		COMPLETE FOR ERECTION
HULL No 472 TO No 483	AS DRAWN	AS SCHED.			

ORDERS

PRINTS

ACTION

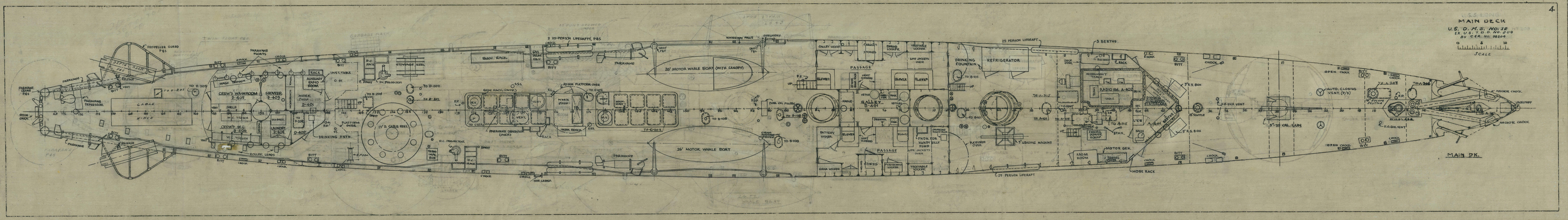
THE WM. CRAMP & SONS S. & E. B. Co.
PHILADELPHIA, PA.
DRAUGHTING OFFICE, CONSTR. DEP'T.
~~U.S. D.M.S. NO. 12 (EX. DD-209)~~ U.S.S. DMS 12
OUTBOARD AND INBOARD PROFILE
BOOKLET PLAN

SCALE 1/8" = 1 FT. DATE JULY 15, 1918

DFTSM.	TRAC.	CHECK	CH. D.	C. R.	ASST N.A.	N.A.
	H.S.	C.G.				

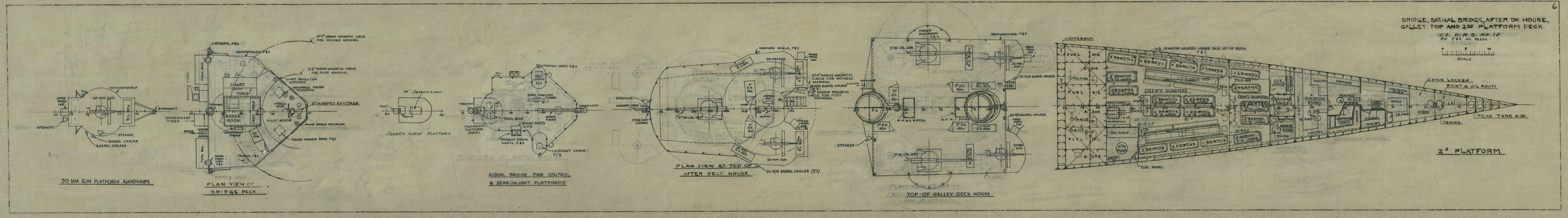
DR. No. H-71524

C+R No 98204.B



MAIN DECK
U.S. D.M.S. No. 12
EX. U.S. T.B.D. No. 209
BU C&R No. 98204
SCALE

MAIN DK.



BRIDGE, SIGNAL BRIDGE, AFTER DK HOUSE, GALLEY TOP AND 2ND PLATFORM DECK.
U.S. D.M.S. No. 12
BU. C&R No. 98204
SCALE

20 MM GUN PLATFORM AMIDSHIPS

PLAN VIEW OF BRIDGE DECK

SEARCH LIGHT PLATFORM

SIGNAL BRIDGE, FIRE CONTROL & SEARCHLIGHT PLATFORMS

PLAN VIEW AT TOP OF AFTER DECK HOUSE

TOP OF GALLEY DECK HOUSE

2d PLATFORM

CHARGE

MATERIAL

ALTERATION

DATE	DESCRIPTION	APPROVED	
1/16/41	CORRECTED TO SUIT SHIP M.I.N.Y. C.W.S.		

HULL No 474	AS SCHED.	AS SCHED			
HULL No 475	AS SCHED	AS SCHED			
JOB	REMARKS	CHARGE	ORDER DATE		COMPLETE FOR ERECTION

ORDERS

DATE H.D.O. E.C.O. L.D.O. F.U.S. H.E.S. C.S. JR.S. M.S. B.P.S. F.S. SM.S. S.S. C.S.S. S.I.S. M.L. ER.S. SH.S. W.M. S.C.D. Q.S.M. P.A. RGR. S.L.M. K.S.Y. INSP. G.S. B.K.

PRINTS

ACTION

THE WM. CRAMP & SONS S. & E. B. CO.
PHILADELPHIA, PA.
DRAUGHTING OFFICE, CONSTR. DEP'T

MAIN DECK AND 2ND PLATFORM.
ARRANGEMENT
BOOKLET PLAN.

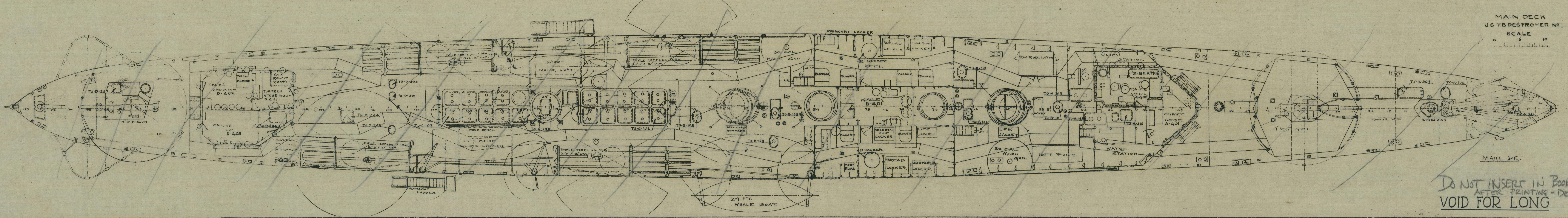
SCALE 1/8" = 1 FT. DATE SEPT. 18, 1919

DELIN	TRAC	CHECK	CH. D	C. R	ASS'T. N. A.	N. A.
	W. W.					

DR. No. H-71544

C+R No. 98204-D

MAIN DECK
U.S. T.B DESTROYER No
SCALE



MAIN DK.

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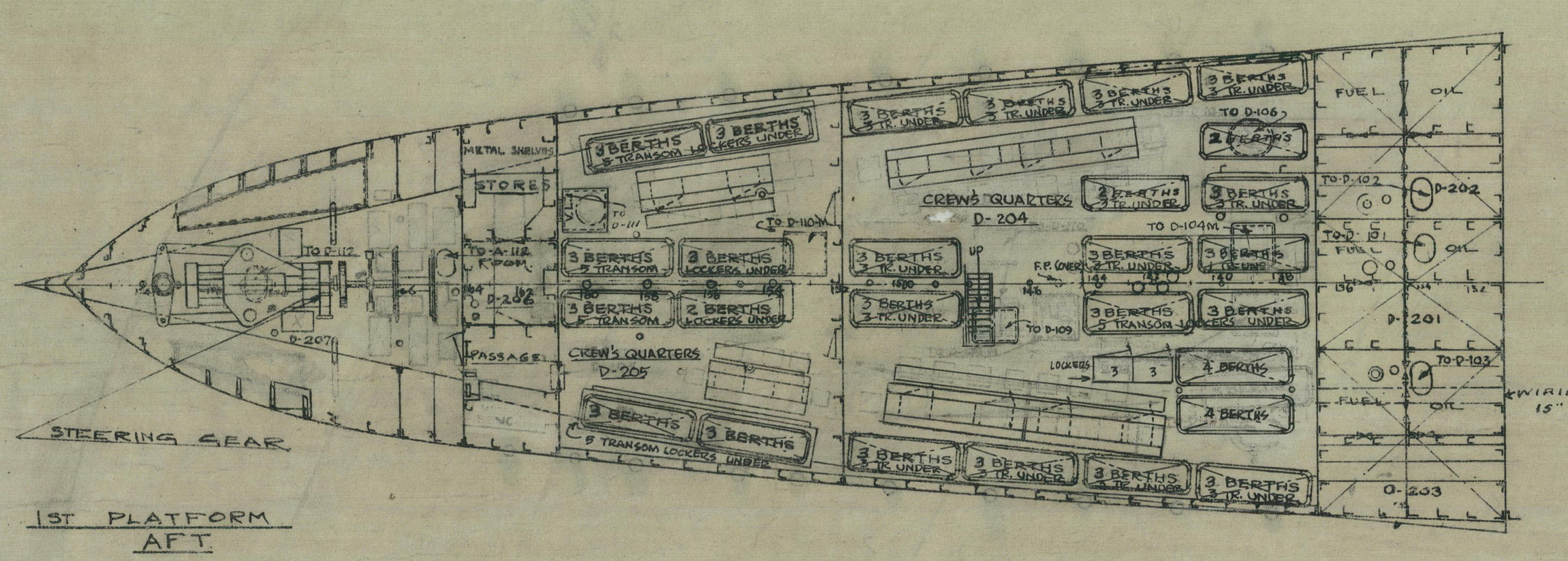
VOID FOR LONG

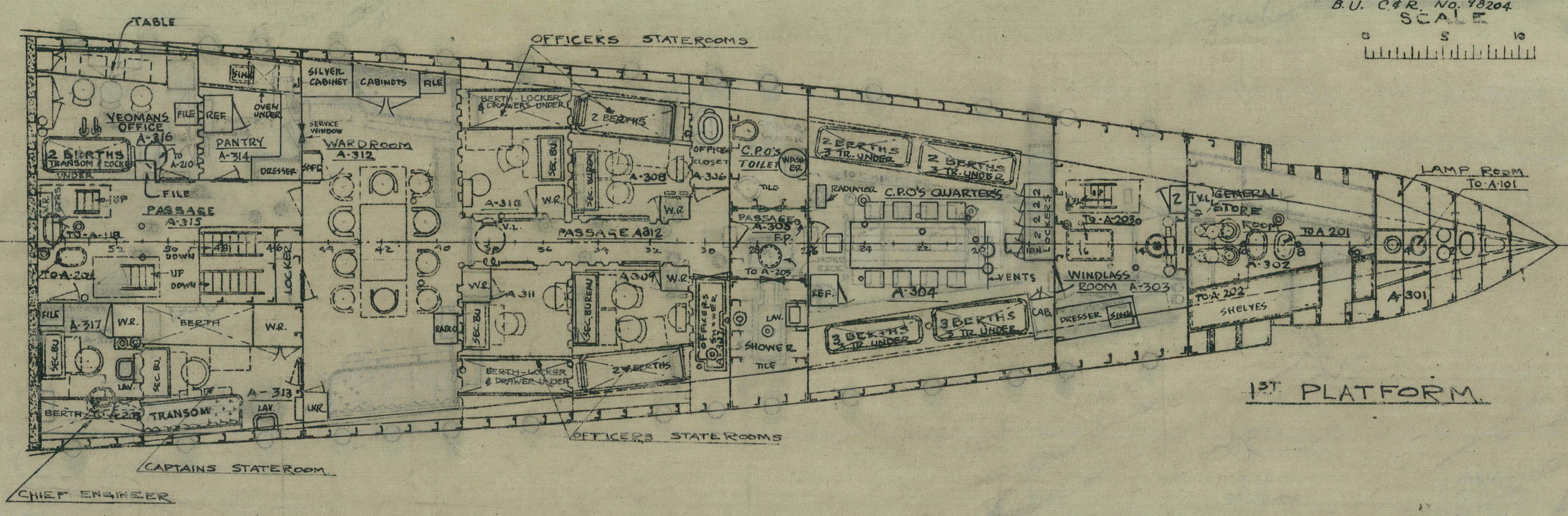
5

U.S.S. LONG

1ST PLATFORM DECK
U.S. D.M.S. NO. 12
B.U. C&R. NO. 98204
SCALE

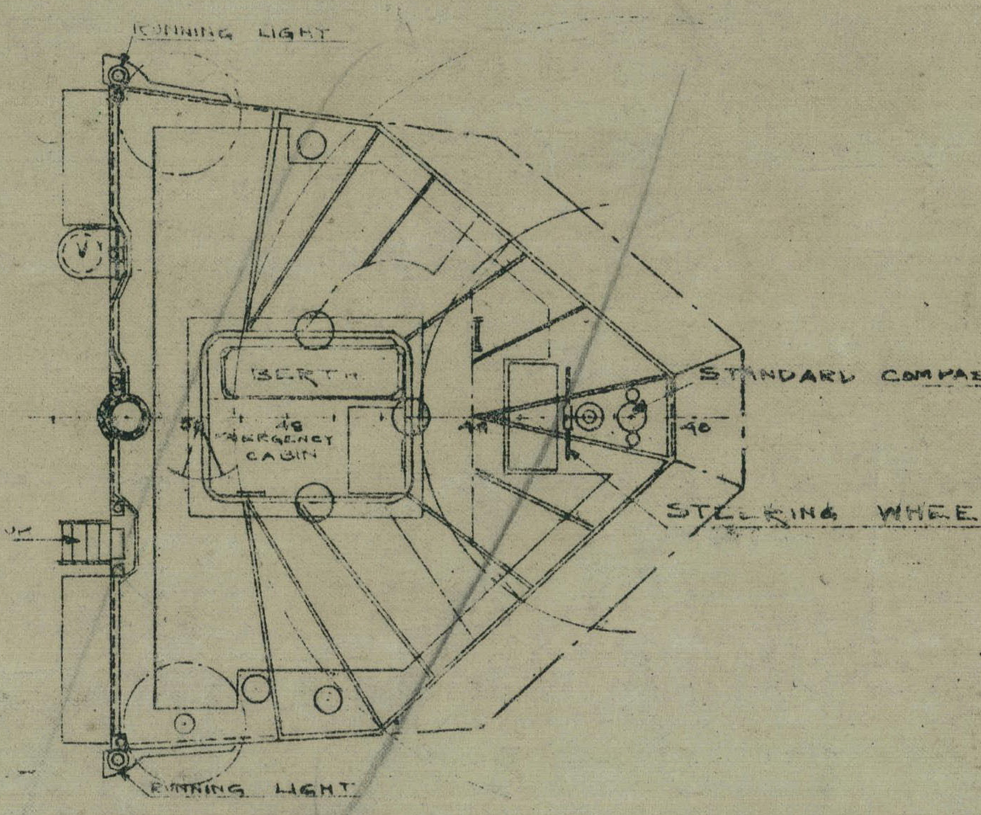


1ST PLATFORM AFT

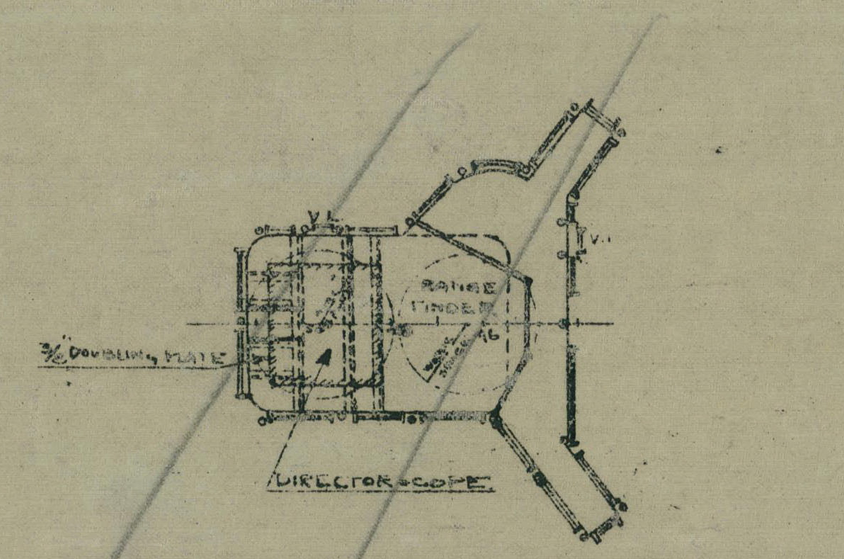


1ST PLATFORM

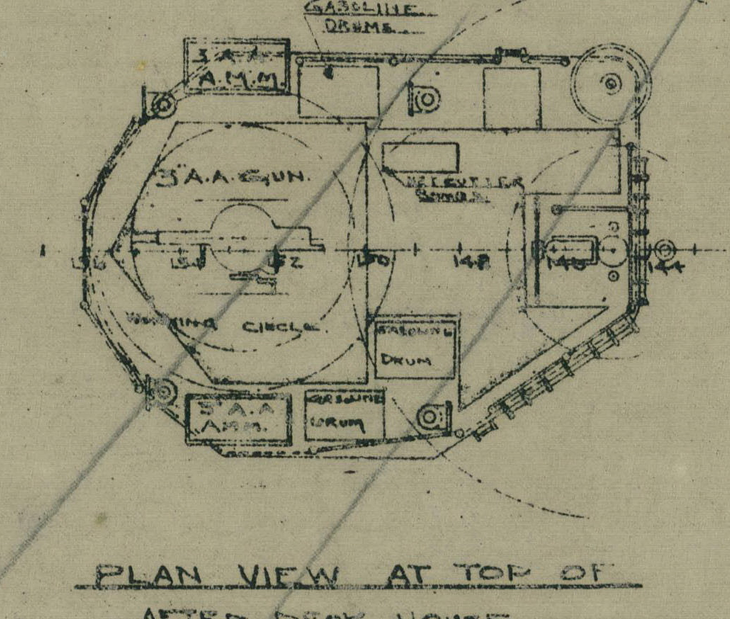
BRIDGE, SIGNAL BRIDGE, AFTER DK HOUSE,
GALLEY TOP AND 2ND PLATFORM DECK.
U.S.T.B. DESTROYER No
SCALE



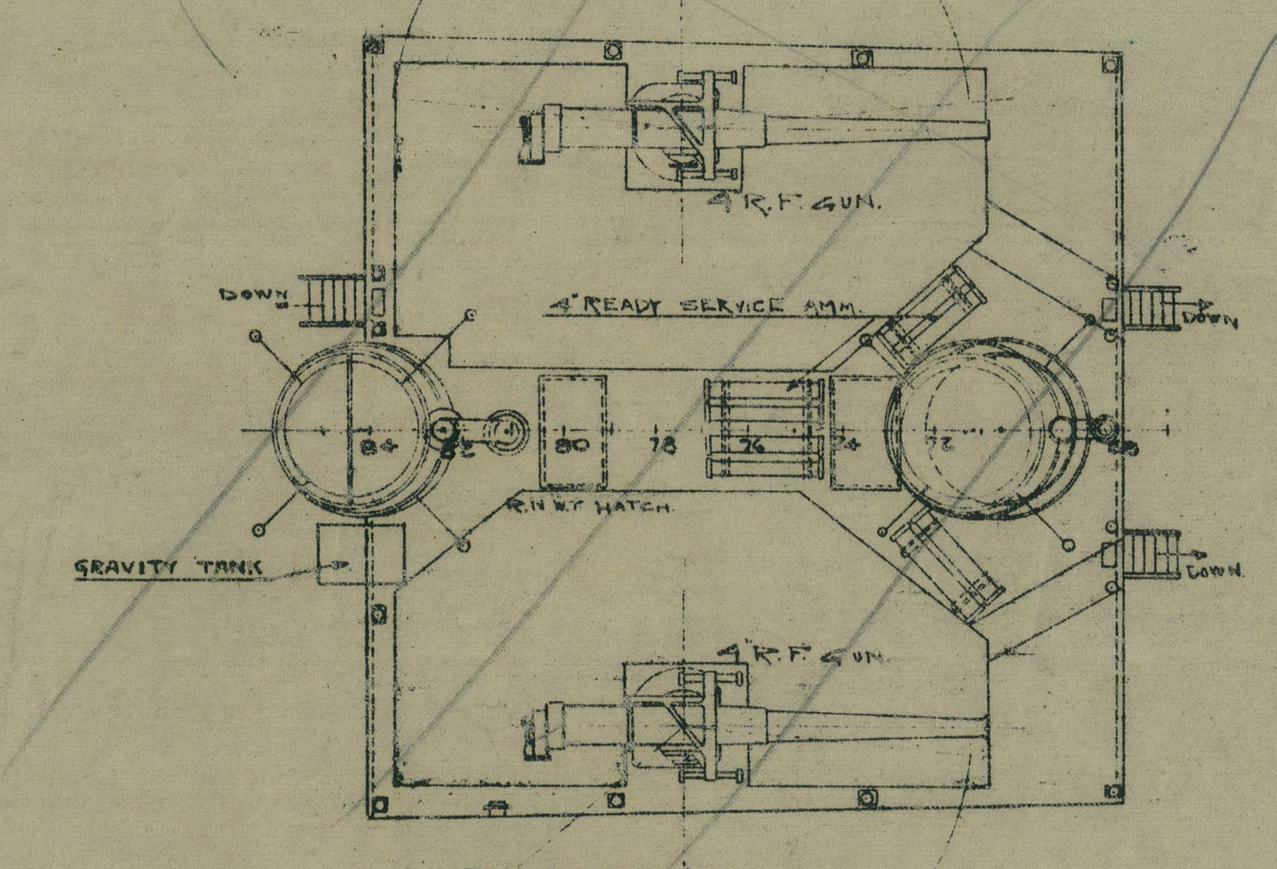
PLAN VIEW OF BRIDGE DECK



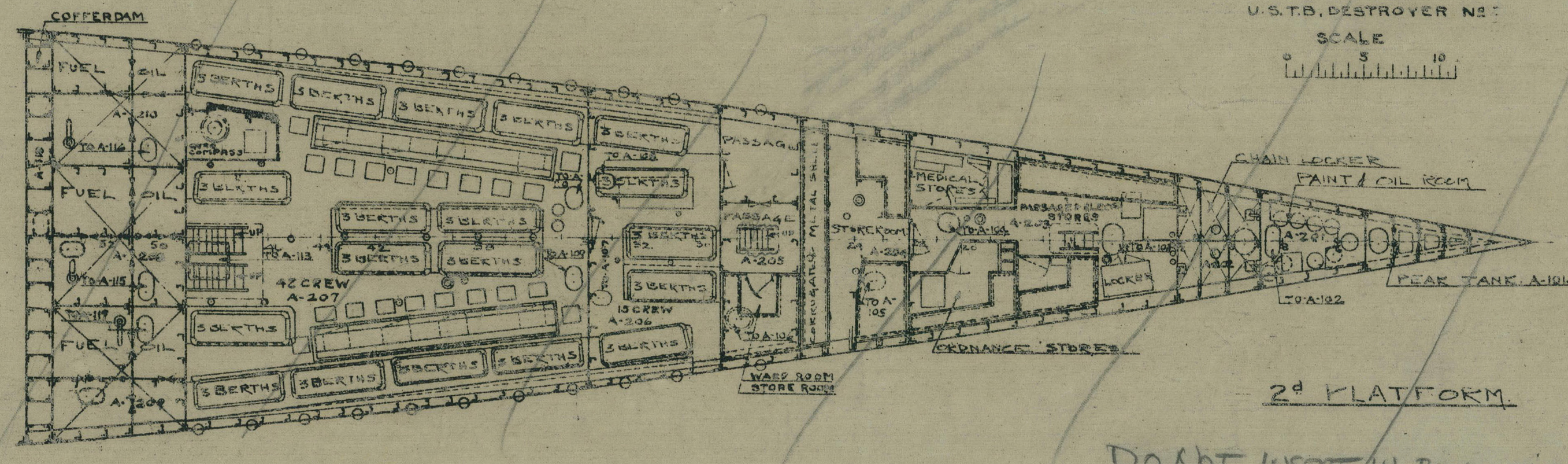
PLAN VIEW OF SIGNAL BRIDGE



PLAN VIEW AT TOP OF AFTER DECK HOUSE



PLAN VIEW AT TOP OF GALLEY DECK HOUSE GUN PLATFORM



2D PLATFORM

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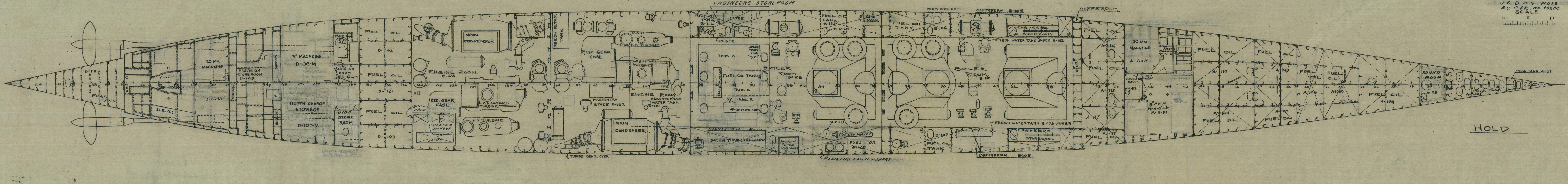
VOID FOR LONG

7

U.S.S. LONG

HOLD
U.S. D.M.S. NO. 12
B.U. C&R. NO. 98204
SCALE



HOLD

CHARGE

MATERIAL

ALTERATION

DATE	DESCRIPTION	APPROVED
1/16/41	CORRECTED TO SUIT SHIP M.I.N.Y. CWS	

JOB	REMARKS	CHARGE	ORDER DATE		COMPLETE FOR ERECTION
HULLS No 472 TO No 483	AS SCH ✓	AS SCHED.			

ORDERS

PRINTS

ACTION

THE WM. CRAMP & SONS S. & E. B. Co.
PHILADELPHIA, PA.
DRAUGHTING OFFICE, CONSTR. DEP'T.

DECKS AND HOLD
ARRANGEMENT
BOOKLET PLAN

SCALE 1/8" = 1FT. DATE MAY 15, 1919

DELIN.	TRAC.	CHECK	CH. D	C. F.	ASST. N. A.	N. A
		G.G.				

DR. No. H-71482

C+R No. 98204-C